

L2/05-134

Re:	Categorizing Nonspacing Marks by Position
From:	Mark Davis
Date:	2005-05-09

While doing some work on confusables, I found it useful to categorize all the non-spacing marks by position. The combining character class can be used for this purpose, but needs to be extended to the characters with zero or fixed position classes.

1. I would like feedback on this categorization, to make sure I have things in the right places, since it is often difficult (especially for Indic) to figure out from the code chart; especially those characters that are attached, or that should be to the right or left (eg Above_Right instead of Above). The position can affect whether or not we call two characters confusable.

2. I found one anomaly. According to the code charts the following is invisible. If so, it should be in Default_Ignorable_Code_Points.

10A3F (☐) KHAROSHTHI VIRAMA

Below is the list:

Above

064F Above # Mn (¸) ARABIC DAMMA
064C Above # Mn (ٸ) ARABIC DAMMATAN
06EB Above # Mn (ˆ◌) ARABIC EMPTY CENTRE HIGH STOP
064E Above # Mn (َ) ARABIC FATHA
065E Above # Mn (ˆ) ARABIC FATHA WITH TWO DOTS
064B Above # Mn (ٲ) ARABIC FATHATAN
0654 Above # Mn (ˆ) ARABIC HAMZA ABOVE
0657 Above # Mn (ˆ) ARABIC INVERTED DAMMA
0670 Above # Mn (ˆ) ARABIC LETTER SUPERSCRIPT ALEF
0653 Above # Mn (ˆ) ARABIC MADDAAH ABOVE
0658 Above # Mn (ˆ) ARABIC MARK NOON GHUNNA
065D Above # Mn (ˆ) ARABIC REVERSED DAMMA
06EC Above # Mn (ˆ◌) ARABIC ROUNDED HIGH STOP WITH FILLED CENTRE
0651 Above # Mn (ˆ) ARABIC SHADDA
0611 Above # Mn (ˆ) ARABIC SIGN ALAYHE ASSALLAM
0613 Above # Mn (ˆ) ARABIC SIGN RADI ALLAHOU ANHU
0612 Above # Mn (ˆ) ARABIC SIGN RAHMATULLAH ALAYHE
0610 Above # Mn (ˆ) ARABIC SIGN SALLALLAHOU ALAYHE WASSALLAM
0614 Above # Mn (ˆ) ARABIC SIGN TAKHALLUS
06E1 Above # Mn (ˆ◌) ARABIC SMALL HIGH DOTLESS HEAD OF KHAH
06DA Above # Mn (ˆ◌) ARABIC SMALL HIGH JEEM
06D9 Above # Mn (ˆ◌) ARABIC SMALL HIGH LAM ALEF
06D7 Above # Mn (ˆ◌) ARABIC SMALL HIGH LIGATURE QAF WITH LAM WITH ALEF MAKSURI
06D6 Above # Mn (ˆ◌) ARABIC SMALL HIGH LIGATURE SAD WITH LAM WITH ALEF MAKSURI
06E4 Above # Mn (ˆ) ARABIC SMALL HIGH MADDA
06D8 Above # Mn (ˆ◌) ARABIC SMALL HIGH MEEM INITIAL FORM
06E2 Above # Mn (ˆ◌) ARABIC SMALL HIGH MEEM ISOLATED FORM
06E8 Above # Mn (ˆ◌) ARABIC SMALL HIGH NOON
06DF Above # Mn (ˆ◌) ARABIC SMALL HIGH ROUNDED ZERO
06DC Above # Mn (ˆ◌) ARABIC SMALL HIGH SEEN

0615	Above # Mn () ARABIC SMALL HIGH TAH
06DB	Above # Mn (°) ARABIC SMALL HIGH THREE DOTS
06E0	Above # Mn (°) ARABIC SMALL HIGH UPRIGHT RECTANGULAR ZERO
06E7	Above # Mn (°) ARABIC SMALL HIGH YEH
0652	Above # Mn (°) ARABIC SUKUN
065B	Above # Mn (?) ARABIC VOWEL SIGN INVERTED SMALL V ABOVE
065A	Above # Mn (?) ARABIC VOWEL SIGN SMALL V ABOVE
0659	Above # Mn (?) ARABIC ZWARAKAY
0981	Above # Mn (°) BENGALI SIGN CANDRABINDU
1A17	Above # Mn (°) BUGINESE VOWEL SIGN I
1752	Above # Mn (°) BUHID VOWEL SIGN I
0301	Above # Mn (°) COMBINING ACUTE ACCENT
0341	Above # Mn (°) COMBINING ACUTE TONE MARK
034C	Above # Mn (°) COMBINING ALMOST EQUAL TO ABOVE
20E7	Above # Mn (°) COMBINING ANNUITY SYMBOL
20D4	Above # Mn (°) COMBINING ANTICLOCKWISE ARROW ABOVE
0306	Above # Mn (°) COMBINING BREVE
0346	Above # Mn (°) COMBINING BRIDGE ABOVE
0310	Above # Mn (°) COMBINING CANDRABINDU
030C	Above # Mn (°) COMBINING CARON
0302	Above # Mn (°) COMBINING CIRCUMFLEX ACCENT
20D5	Above # Mn (°) COMBINING CLOCKWISE ARROW ABOVE
0313	Above # Mn (°) COMBINING COMMA ABOVE
0485	Above # Mn (°) COMBINING CYRILLIC DASIA PNEUMATA
0484	Above # Mn (°) COMBINING CYRILLIC PALATALIZATION
0486	Above # Mn (°) COMBINING CYRILLIC PSILI PNEUMATA
0483	Above # Mn (°) COMBINING CYRILLIC TITLO
0308	Above # Mn (°) COMBINING DIAERESIS
0307	Above # Mn (°) COMBINING DOT ABOVE
1DC1	Above # Mn (?) COMBINING DOTTED ACUTE ACCENT
1DC0	Above # Mn (?) COMBINING DOTTED GRAVE ACCENT
030B	Above # Mn (°) COMBINING DOUBLE ACUTE ACCENT
030F	Above # Mn (°) COMBINING DOUBLE GRAVE ACCENT
033F	Above # Mn (°) COMBINING DOUBLE OVERLINE
FE22	Above # Mn (°) COMBINING DOUBLE TILDE LEFT HALF
FE23	Above # Mn (°) COMBINING DOUBLE TILDE RIGHT HALF
030E	Above # Mn (°) COMBINING DOUBLE VERTICAL LINE ABOVE
0352	Above # Mn (°) COMBINING FERMATA
20DC	Above # Mn (°) COMBINING FOUR DOTS ABOVE
0300	Above # Mn (°) COMBINING GRAVE ACCENT
0340	Above # Mn (°) COMBINING GRAVE TONE MARK
0344	Above # Mn (°) COMBINING GREEK DIALYTIKA TONOS
0343	Above # Mn (°) COMBINING GREEK KORONIS
1D244	Above # Mn (°) COMBINING GREEK MUSICAL PENTASEME
1D243	Above # Mn (°) COMBINING GREEK MUSICAL TETRASEME
1D242	Above # Mn (°) COMBINING GREEK MUSICAL TRISEME
0342	Above # Mn (°) COMBINING GREEK PERISPOMENI
034B	Above # Mn (°) COMBINING HOMOTHETIC ABOVE
0309	Above # Mn (°) COMBINING HOOK ABOVE
0311	Above # Mn (°) COMBINING INVERTED BREVE
0363	Above # Mn (°) COMBINING LATIN SMALL LETTER A
0368	Above # Mn (°) COMBINING LATIN SMALL LETTER C

0369	Above # Mn (^d)) COMBINING LATIN SMALL LETTER D
0364	Above # Mn (^e)) COMBINING LATIN SMALL LETTER E
036A	Above # Mn (^h)) COMBINING LATIN SMALL LETTER H
0365	Above # Mn (ⁱ)) COMBINING LATIN SMALL LETTER I
036B	Above # Mn (^m)) COMBINING LATIN SMALL LETTER M
0366	Above # Mn (^o)) COMBINING LATIN SMALL LETTER O
036C	Above # Mn (^r)) COMBINING LATIN SMALL LETTER R
036D	Above # Mn (^t)) COMBINING LATIN SMALL LETTER T
0367	Above # Mn (^u)) COMBINING LATIN SMALL LETTER U
036E	Above # Mn (^v)) COMBINING LATIN SMALL LETTER V
036F	Above # Mn (^x)) COMBINING LATIN SMALL LETTER X
20D6	Above # Mn ([←])) COMBINING LEFT ARROW ABOVE
0351	Above # Mn (^{◌̆})) COMBINING LEFT HALF RING ABOVE
20D0	Above # Mn ([↰])) COMBINING LEFT HARPOON ABOVE
20E1	Above # Mn ([↔])) COMBINING LEFT RIGHT ARROW ABOVE
FE20	Above # Mn (^{◌̈́})) COMBINING LIGATURE LEFT HALF
FE21	Above # Mn (^{◌̈́})) COMBINING LIGATURE RIGHT HALF
0304	Above # Mn (^{◌̄})) COMBINING MACRON
034A	Above # Mn (^{◌̆̂})) COMBINING NOT TILDE ABOVE
0305	Above # Mn (^{◌̅})) COMBINING OVERLINE
0314	Above # Mn (^{◌̆̃})) COMBINING REVERSED COMMA ABOVE
20D7	Above # Mn ([↷])) COMBINING RIGHT ARROW ABOVE
0350	Above # Mn ([↸])) COMBINING RIGHT ARROWHEAD ABOVE
0357	Above # Mn (^{◌̆̂})) COMBINING RIGHT HALF RING ABOVE
20D1	Above # Mn ([↱])) COMBINING RIGHT HARPOON ABOVE
030A	Above # Mn (^{◌̆̂})) COMBINING RING ABOVE
1DC3	Above # Mn (^{◌̇})) COMBINING SUSPENSION MARK
20DB	Above # Mn ([⋯])) COMBINING THREE DOTS ABOVE
0303	Above # Mn (^{◌̃})) COMBINING TILDE
0312	Above # Mn (^{◌̆̂})) COMBINING TURNED COMMA ABOVE
030D	Above # Mn (^{◌̅})) COMBINING VERTICAL LINE ABOVE
033E	Above # Mn (^{◌̅})) COMBINING VERTICAL TILDE
20E9	Above # Mn ([↔])) COMBINING WIDE BRIDGE ABOVE
033D	Above # Mn (^{◌̆̂})) COMBINING X ABOVE
035B	Above # Mn (^{◌̆̂})) COMBINING ZIGZAG ABOVE
0954	Above # Mn (^{◌̆̂})) DEVANAGARI ACUTE ACCENT
0953	Above # Mn (^{◌̆̂})) DEVANAGARI GRAVE ACCENT
0902	Above # Mn (^{◌̆̂})) DEVANAGARI SIGN ANUSVARA
0901	Above # Mn (^{◌̆̂})) DEVANAGARI SIGN CANDRABINDU
0951	Above # Mn (^{◌̆̂})) DEVANAGARI STRESS SIGN UDATTA
0945	Above # Mn (^{◌̆̂})) DEVANAGARI VOWEL SIGN CANDRA E
135F	Above # Mn (^{◌̆̂})) ETHIOPIC COMBINING GEMINATION MARK
0A82	Above # Mn (^{◌̆̂})) GUJARATI SIGN ANUSVARA
0A81	Above # Mn (^{◌̆̂})) GUJARATI SIGN CANDRABINDU
0AC5	Above # Mn (^{◌̆̂})) GUJARATI VOWEL SIGN CANDRA E
0A71	Above # Mn (^{◌̆̂})) GURMUKHI ADDAK
0A01	Above # Mn (^{◌̆̂})) GURMUKHI SIGN ADAK BINDI
0A02	Above # Mn (^{◌̆̂})) GURMUKHI SIGN BINDI
0A70	Above # Mn (^{◌̆̂})) GURMUKHI TIPPI
059C	Above # Mn (^{◌̆̂})) HEBREW ACCENT GERESH
059D	Above # Mn (^{◌̆̂})) HEBREW ACCENT GERESH MUQDAM
059E	Above # Mn (^{◌̆̂})) HEBREW ACCENT GERSHAYIM

05AC	Above # Mn (́) HEBREW ACCENT ILUY
05AB	Above # Mn (ˆ) HEBREW ACCENT OLE
0599	Above # Mn (˘) HEBREW ACCENT PASHTA
05A1	Above # Mn (˙) HEBREW ACCENT PAZER
05A8	Above # Mn (˚) HEBREW ACCENT QADMA
059F	Above # Mn (˛) HEBREW ACCENT QARNEY PARA
0597	Above # Mn (˜) HEBREW ACCENT REVIA
0592	Above # Mn (˝) HEBREW ACCENT SEGOL
0593	Above # Mn (˞) HEBREW ACCENT SHALSHELET
05A0	Above # Mn (ˠ) HEBREW ACCENT TELISHA GEDOLA
05A9	Above # Mn (ˡ) HEBREW ACCENT TELISHA QETANA
0595	Above # Mn (ˢ) HEBREW ACCENT ZAQEF GADOL
0594	Above # Mn (ˣ) HEBREW ACCENT ZAQEF QATAN
0598	Above # Mn (ˤ) HEBREW ACCENT ZARQA
05AF	Above # Mn (˥) HEBREW MARK MASORA CIRCLE
05C4	Above # Mn (˦) HEBREW MARK UPPER DOT
FB1E	Above # Mn (˧) HEBREW POINT JUDEO-SPANISH VARIKA
05BF	Above # Mn (˨) HEBREW POINT RAFE
0CCD	Above # Mn (˩) KANNADA SIGN VIRAMA
10A38	Above # Mn (˪) KHAROSHTHI SIGN BAR ABOVE
10A0F	Above # Mn (˫) KHAROSHTHI SIGN VISARGA
10A05	Above # Mn (ˬ) KHAROSHTHI VOWEL SIGN E
17CF	Above # Mn (˭) KHMER SIGN AHSDA
17DD	Above # Mn (ˮ) KHMER SIGN ATTHACAN
17CB	Above # Mn (˯) KHMER SIGN BANTOC
17D3	Above # Mn (˰) KHMER SIGN BATHAMASAT
17C9	Above # Mn (˱) KHMER SIGN MUUSIKATOAN
17C6	Above # Mn (˲) KHMER SIGN NIKAHIT
17CC	Above # Mn (˳) KHMER SIGN ROBAT
17CD	Above # Mn (˴) KHMER SIGN TOANDAKHIAT
17CA	Above # Mn (˵) KHMER SIGN TRIISAP
17D1	Above # Mn (˶) KHMER SIGN VIRIAM
17B7	Above # Mn (˷) KHMER VOWEL SIGN I
17B8	Above # Mn (˸) KHMER VOWEL SIGN II
17B9	Above # Mn (˹) KHMER VOWEL SIGN Y
17BA	Above # Mn (˺) KHMER VOWEL SIGN YY
0ECC	Above # Mn (˻) LAO CANCELLATION MARK
0ECD	Above # Mn (˼) LAO NIGGAHITA
0ECB	Above # Mn (˽) LAO TONE MAI CATAWA
0EC8	Above # Mn (˾) LAO TONE MAI EK
0EC9	Above # Mn (˿) LAO TONE MAI THO
0ECA	Above # Mn (˿) LAO TONE MAI TI
0EB4	Above # Mn (͇) LAO VOWEL SIGN I
0EB5	Above # Mn (͈) LAO VOWEL SIGN II
0EB1	Above # Mn (͉) LAO VOWEL SIGN MAI KAN
0EBB	Above # Mn (͊) LAO VOWEL SIGN MAI KON
0EB6	Above # Mn (͋) LAO VOWEL SIGN Y
0EB7	Above # Mn (͌) LAO VOWEL SIGN YY
193A	Above # Mn (͍) LIMBU SIGN KEMPHRENG
1920	Above # Mn (͎) LIMBU VOWEL SIGN A
1927	Above # Mn (͏) LIMBU VOWEL SIGN E
1921	Above # Mn (͐) LIMBU VOWEL SIGN I
1928	Above # Mn (͑) LIMBU VOWEL SIGN O

1922	Above # Mn (̀) LIMBU VOWEL SIGN U
1D189	Above # Mn (?) MUSICAL SYMBOL COMBINING BEND
1D185	Above # Mn (?) MUSICAL SYMBOL COMBINING DOIT
1D1AA	Above # Mn (?) MUSICAL SYMBOL COMBINING DOWN BOW
1D187	Above # Mn (?) MUSICAL SYMBOL COMBINING FLIP
1D1AC	Above # Mn (?) MUSICAL SYMBOL COMBINING HARMONIC
1D186	Above # Mn (?) MUSICAL SYMBOL COMBINING RIP
1D188	Above # Mn (?) MUSICAL SYMBOL COMBINING SMEAR
1D1AD	Above # Mn (?) MUSICAL SYMBOL COMBINING SNAP PIZZICATO
1D1AB	Above # Mn (?) MUSICAL SYMBOL COMBINING UP BOW
1036	Above # Mn (°) MYANMAR SIGN ANUSVARA
1039	Above # Mn (ˆ) MYANMAR SIGN VIRAMA
1032	Above # Mn (˘) MYANMAR VOWEL SIGN AI
102D	Above # Mn (˚) MYANMAR VOWEL SIGN I
102E	Above # Mn (˛) MYANMAR VOWEL SIGN II
0B01	Above # Mn (͡) ORIYA SIGN CANDRABINDU
0DD3	Above # Mn (ͣ) SINHALA VOWEL SIGN DIGA IS-PILLA
0DD2	Above # Mn (ͤ) SINHALA VOWEL SIGN KETTI IS-PILLA
A80B	Above # Mn (?) SYLOTI NAGRI SIGN ANUSVARA
A806	Above # Mn (?) SYLOTI NAGRI SIGN HASANTA
A826	Above # Mn (?) SYLOTI NAGRI VOWEL SIGN E
074A	Above # Mn (̇) SYRIAC BARREKH
073D	Above # Mn (̈) SYRIAC ESASA ABOVE
0740	Above # Mn (̉) SYRIAC FEMININE DOT
073A	Above # Mn (̊) SYRIAC HBASA ABOVE
0711	Above # Mn (̋) SYRIAC LETTER SUPERSCRIPT ALAPH
0749	Above # Mn (̌) SYRIAC MUSIC
0747	Above # Mn (̍) SYRIAC OBLIQUE LINE ABOVE
0730	Above # Mn (̎) SYRIAC PTHAHA ABOVE
0732	Above # Mn (̏) SYRIAC PTHAHA DOTTED
0741	Above # Mn (̐) SYRIAC QUSHSHAYA
0736	Above # Mn (̑) SYRIAC RBASA ABOVE
073F	Above # Mn (̒) SYRIAC RWAHA
0745	Above # Mn (̓) SYRIAC THREE DOTS ABOVE
0743	Above # Mn (̔) SYRIAC TWO VERTICAL DOTS ABOVE
0733	Above # Mn (̕) SYRIAC ZQAPHA ABOVE
0735	Above # Mn (̖) SYRIAC ZQAPHA DOTTED
1772	Above # Mn (?) TAGBANWA VOWEL SIGN I
0B82	Above # Mn (̇) TAMIL SIGN ANUSVARA
0BCD	Above # Mn (̈) TAMIL SIGN VIRAMA
0C55	Above # Mn (̉) TELUGU LENGTH MARK
0C4D	Above # Mn (̊) TELUGU SIGN VIRAMA
07A7	Above # Mn (͡) THAANA AABAAFILI
07A6	Above # Mn (͢) THAANA ABAFILI
07AC	Above # Mn (ͣ) THAANA EBEFILI
07AD	Above # Mn (ͤ) THAANA EYBEYFILI
07AF	Above # Mn (ͥ) THAANA OABOAFILI
07AE	Above # Mn (ͦ) THAANA OBOFILI
07AB	Above # Mn (ͧ) THAANA OBOOFILI
07B0	Above # Mn (ͨ) THAANA SUKUN
07AA	Above # Mn (ͩ) THAANA UBUFILI
0E4B	Above # Mn (ͪ) THAI CHARACTER MAI CHATTAWA
0E49	Above # Mn (ͫ) THAI CHARACTER MAI THO

0E4A Above # Mn (◌̂) THAI CHARACTER MAI TRI
 0E47 Above # Mn (◌̃) THAI CHARACTER MAITAIKHU
 0E4D Above # Mn (◌̄) THAI CHARACTER NIKHAHIT
 0E34 Above # Mn (◌̅) THAI CHARACTER SARA I
 0E35 Above # Mn (◌̆) THAI CHARACTER SARA II
 0E36 Above # Mn (◌̇) THAI CHARACTER SARA UE
 0E37 Above # Mn (◌̈) THAI CHARACTER SARA UEE
 0E4C Above # Mn (◌̉) THAI CHARACTER THANTHAKHAT
 0E4E Above # Mn (◌̊) THAI CHARACTER YAMAKKAN
 0F86 Above # Mn (◌̋) TIBETAN SIGN LCI RTAGS
 0F82 Above # Mn (◌̌) TIBETAN SIGN NYI ZLA NAA DA
 0F7E Above # Mn (◌̍) TIBETAN SIGN RJES SU NGA RO
 0F83 Above # Mn (◌̎) TIBETAN SIGN SNA LDAN
 0F87 Above # Mn (◌̏) TIBETAN SIGN YANG RTAGS
 0F71 Above # Mn (◌̐) TIBETAN VOWEL SIGN AA
 0F7A Above # Mn (◌̑) TIBETAN VOWEL SIGN E
 0F7B Above # Mn (◌̒) TIBETAN VOWEL SIGN EE
 0F72 Above # Mn (◌̓) TIBETAN VOWEL SIGN I
 0F7C Above # Mn (◌̔) TIBETAN VOWEL SIGN O
 0F7D Above # Mn (◌̕) TIBETAN VOWEL SIGN OO
 0F80 Above # Mn (◌̖) TIBETAN VOWEL SIGN REVERSED I

Total code points: 261

Above_Attached

0948 Above_Attached # Mn (◌̘) DEVANAGARI VOWEL SIGN AI
 0947 Above_Attached # Mn (◌̙) DEVANAGARI VOWEL SIGN E
 0946 Above_Attached # Mn (◌̚) DEVANAGARI VOWEL SIGN SHORT E
 0AC8 Above_Attached # Mn (◌̛) GUJARATI VOWEL SIGN AI
 0AC7 Above_Attached # Mn (◌̜) GUJARATI VOWEL SIGN E
 0A48 Above_Attached # Mn (◌̝) GURMUKHI VOWEL SIGN AI
 0A4C Above_Attached # Mn (◌̞) GURMUKHI VOWEL SIGN AU
 0A47 Above_Attached # Mn (◌̟) GURMUKHI VOWEL SIGN EE
 0A4B Above_Attached # Mn (◌̠) GURMUKHI VOWEL SIGN OO
 0CCC Above_Attached # Mn (◌̡) KANNADA VOWEL SIGN AU
 0CC6 Above_Attached # Mn (◌̢) KANNADA VOWEL SIGN E
 0CBF Above_Attached # Mn (◌̣) KANNADA VOWEL SIGN I
 0B56 Above_Attached # Mn (◌̤) ORIYA AI LENGTH MARK
 0B3F Above_Attached # Mn (◌̥) ORIYA VOWEL SIGN I
 0BC0 Above_Attached # Mn (◌̦) TAMIL VOWEL SIGN II
 0C3E Above_Attached # Mn (◌̧) TELUGU VOWEL SIGN AA
 0C4C Above_Attached # Mn (◌̨) TELUGU VOWEL SIGN AU
 0C46 Above_Attached # Mn (◌̩) TELUGU VOWEL SIGN E
 0C47 Above_Attached # Mn (◌̪) TELUGU VOWEL SIGN EE
 0C3F Above_Attached # Mn (◌̫) TELUGU VOWEL SIGN I
 0C40 Above_Attached # Mn (◌̬) TELUGU VOWEL SIGN II
 0C4A Above_Attached # Mn (◌̭) TELUGU VOWEL SIGN O
 0C4B Above_Attached # Mn (◌̮) TELUGU VOWEL SIGN OO

Total code points: 23

Above_Left

05B9 Above_Left # Mn (`) HEBREW POINT HOLAM
 05C2 Above_Left # Mn (`) HEBREW POINT SIN DOT

Total code points: 2

Above_Right

0315 Above_Right # Mn (`) COMBINING COMMA ABOVE RIGHT
 0358 Above_Right # Mn (?) COMBINING DOT ABOVE RIGHT
 309A Above_Right # Mn (°) COMBINING KATAKANA-HIRAGANA SEMI-VOICED SOUND MARK
 3099 Above_Right # Mn (^) COMBINING KATAKANA-HIRAGANA VOICED SOUND MARK
 031A Above_Right # Mn (^) COMBINING LEFT ANGLE ABOVE
 1732 Above_Right # Mn (?) HANUNOO VOWEL SIGN I
 05AE Above_Right # Mn (^) HEBREW ACCENT ZINOR
 05C1 Above_Right # Mn (`) HEBREW POINT SHIN DOT
 302C Above_Right # Mn (°) IDEOGRAPHIC DEPARTING TONE MARK
 302B Above_Right # Mn (°) IDEOGRAPHIC RISING TONE MARK
 17CE Above_Right # Mn (^) KHMER SIGN KAKABAT
 17D0 Above_Right # Mn (^) KHMER SIGN SAMYOK SANNYA
 0D4D Above_Right # Mn (°) MALAYALAM SIGN VIRAMA
 18A9 Above_Right # Mn (.) MONGOLIAN LETTER ALI GALI DAGALGA
 0DCA Above_Right # Mn (^) SINHALA SIGN AL-LAKUNA
 1712 Above_Right # Mn (?) TAGALOG VOWEL SIGN I
 0E48 Above_Right # Mn (◌̇) THAI CHARACTER MAI EK
 0E31 Above_Right # Mn (◌̇) THAI CHARACTER MAI HAN-AKAT

Total code points: 18

Above_Right_Attached

031B Above_Right_Attached # Mn (`) COMBINING HORN
 0F39 Above_Right_Attached # Mn (`) TIBETAN MARK TSA -PHRU

Total code points: 2

Below

06EA Below # Mn (◌◌) ARABIC EMPTY CENTRE LOW STOP
 0655 Below # Mn (◌) ARABIC HAMZA BELOW
 0650 Below # Mn (◌) ARABIC KASRA
 064D Below # Mn (◌) ARABIC KASRATAN
 06ED Below # Mn (◌◌) ARABIC SMALL LOW MEEM
 06E3 Below # Mn (◌◌) ARABIC SMALL LOW SEEN
 0656 Below # Mn (◌) ARABIC SUBSCRIPT ALEF
 065C Below # Mn (?) ARABIC VOWEL SIGN DOT BELOW
 09BC Below # Mn (◌) BENGALI SIGN NUKTA
 09CD Below # Mn (◌) BENGALI SIGN VIRAMA
 1A18 Below # Mn (◌) BUGINESE VOWEL SIGN U
 1753 Below # Mn (◌) BUHID VOWEL SIGN U
 0317 Below # Mn (◌) COMBINING ACUTE ACCENT BELOW
 0359 Below # Mn (?) COMBINING ASTERISK BELOW
 032E Below # Mn (◌) COMBINING BREVE BELOW
 032A Below # Mn (◌) COMBINING BRIDGE BELOW
 032C Below # Mn (◌) COMBINING CARON BELOW
 032D Below # Mn (◌) COMBINING CIRCUMFLEX ACCENT BELOW
 0326 Below # Mn (◌) COMBINING COMMA BELOW

0324	Below # Mn (̣)	COMBINING DIAERESIS BELOW
0323	Below # Mn (̤)	COMBINING DOT BELOW
0333	Below # Mn (̥)	COMBINING DOUBLE LOW LINE
035A	Below # Mn (̦)	COMBINING DOUBLE RING BELOW
0348	Below # Mn (̧)	COMBINING DOUBLE VERTICAL LINE BELOW
031E	Below # Mn (̨)	COMBINING DOWN TACK BELOW
0347	Below # Mn (̩)	COMBINING EQUALS SIGN BELOW
0316	Below # Mn (̪)	COMBINING GRAVE ACCENT BELOW
032F	Below # Mn (̫)	COMBINING INVERTED BREVE BELOW
033A	Below # Mn (̬)	COMBINING INVERTED BRIDGE BELOW
032B	Below # Mn (̭)	COMBINING INVERTED DOUBLE ARCH BELOW
0349	Below # Mn (̮)	COMBINING LEFT ANGLE BELOW
0354	Below # Mn (̯)	COMBINING LEFT ARROWHEAD BELOW
031C	Below # Mn (̰)	COMBINING LEFT HALF RING BELOW
034D	Below # Mn (̱)	COMBINING LEFT RIGHT ARROW BELOW
0318	Below # Mn (̲)	COMBINING LEFT TACK BELOW
0332	Below # Mn (̳)	COMBINING LOW LINE
0331	Below # Mn (̴)	COMBINING MACRON BELOW
0320	Below # Mn (̵)	COMBINING MINUS SIGN BELOW
031F	Below # Mn (̶)	COMBINING PLUS SIGN BELOW
0356	Below # Mn (̷)	COMBINING RIGHT ARROWHEAD AND UP ARROWHEAD BELOW
0355	Below # Mn (̸)	COMBINING RIGHT ARROWHEAD BELOW
0339	Below # Mn (̹)	COMBINING RIGHT HALF RING BELOW
0319	Below # Mn (̺)	COMBINING RIGHT TACK BELOW
0325	Below # Mn (̻)	COMBINING RING BELOW
033C	Below # Mn (̼)	COMBINING SEAGULL BELOW
1DC2	Below # Mn (̽)	COMBINING SNAKE BELOW
033B	Below # Mn (̾)	COMBINING SQUARE BELOW
0330	Below # Mn (̿)	COMBINING TILDE BELOW
20E8	Below # Mn (̀)	COMBINING TRIPLE UNDERDOT
031D	Below # Mn (́)	COMBINING UP TACK BELOW
034E	Below # Mn (͂)	COMBINING UPWARDS ARROW BELOW
0329	Below # Mn (̓)	COMBINING VERTICAL LINE BELOW
0353	Below # Mn (̈́)	COMBINING X BELOW
093C	Below # Mn (ͅ)	DEVANAGARI SIGN NUKTA
094D	Below # Mn (͆)	DEVANAGARI SIGN VIRAMA
0952	Below # Mn (͇)	DEVANAGARI STRESS SIGN ANUDATTA
0ABC	Below # Mn (͈)	GUJARATI SIGN NUKTA
0ACD	Below # Mn (͉)	GUJARATI SIGN VIRAMA
0A3C	Below # Mn (͊)	GURMUKHI SIGN NUKTA
0A4D	Below # Mn (͋)	GURMUKHI SIGN VIRAMA
0A41	Below # Mn (͌)	GURMUKHI VOWEL SIGN U
0A42	Below # Mn (͍)	GURMUKHI VOWEL SIGN UU
05A2	Below # Mn (͎)	HEBREW ACCENT ATNAH HAFUKH
05A7	Below # Mn (͏)	HEBREW ACCENT DARGA
0591	Below # Mn (͐)	HEBREW ACCENT ETNAHTA
05A4	Below # Mn (͑)	HEBREW ACCENT MAHAPAKH
05A5	Below # Mn (͒)	HEBREW ACCENT MERKHA
05A6	Below # Mn (͓)	HEBREW ACCENT MERKHA KEFULA
05A3	Below # Mn (͔)	HEBREW ACCENT MUNAH
059B	Below # Mn (͕)	HEBREW ACCENT TEVIR
0596	Below # Mn (͖)	HEBREW ACCENT TIPEHA

05AA	Below # Mn (̣)	HEBREW ACCENT YERAH BEN YOMO
05C5	Below # Mn (̤)	HEBREW MARK LOWER DOT
05B2	Below # Mn (̥)	HEBREW POINT HATAF PATAH
05B3	Below # Mn (̦)	HEBREW POINT HATAF QAMATS
05B1	Below # Mn (̧)	HEBREW POINT HATAF SEGOL
05B4	Below # Mn (̨)	HEBREW POINT HIRIQ
05BD	Below # Mn (̩)	HEBREW POINT METEG
05B7	Below # Mn (̪)	HEBREW POINT PATAH
05B8	Below # Mn (̫)	HEBREW POINT QAMATS
05C7	Below # Mn (U+05C7)	HEBREW POINT QAMATS QATAN
05BB	Below # Mn (̬)	HEBREW POINT QUBUTS
05B6	Below # Mn (̭)	HEBREW POINT SEGOL
05B0	Below # Mn (̮)	HEBREW POINT SHEVA
05B5	Below # Mn (̯)	HEBREW POINT TSERE
0CBC	Below # Mn (̰)	KANNADA SIGN NUKTA
10A3A	Below # Mn (̱)	KHAROSHTHI SIGN DOT BELOW
10A0D	Below # Mn (̲)	KHAROSHTHI SIGN DOUBLE RING BELOW
17D2	Below # Mn (̳)	KHMER SIGN COENG
17BB	Below # Mn (̴)	KHMER VOWEL SIGN U
17BD	Below # Mn (̵)	KHMER VOWEL SIGN UA
17BC	Below # Mn (̶)	KHMER VOWEL SIGN UU
0EBC	Below # Mn (̷)	LAO SEMIVOWEL SIGN LO
0EB8	Below # Mn (̸)	LAO VOWEL SIGN U
0EB9	Below # Mn (̹)	LAO VOWEL SIGN UU
193B	Below # Mn (̺)	LIMBU SIGN SA-I
1932	Below # Mn (̻)	LIMBU SMALL LETTER ANUSVARA
0D41	Below # Mn (̼)	MALAYALAM VOWEL SIGN U
0D42	Below # Mn (̽)	MALAYALAM VOWEL SIGN UU
0D43	Below # Mn (̾)	MALAYALAM VOWEL SIGN VOCALIC R
1D17B	Below # Mn (̿)	MUSICAL SYMBOL COMBINING ACCENT
1D181	Below # Mn (̀)	MUSICAL SYMBOL COMBINING ACCENT-STACCATO
1D18A	Below # Mn (́)	MUSICAL SYMBOL COMBINING DOUBLE TONGUE
1D182	Below # Mn (̂)	MUSICAL SYMBOL COMBINING LOURE
1D17F	Below # Mn (̃)	MUSICAL SYMBOL COMBINING MARCATO
1D180	Below # Mn (̄)	MUSICAL SYMBOL COMBINING MARCATO-STACCATO
1D17E	Below # Mn (̅)	MUSICAL SYMBOL COMBINING STACCATISSIMO
1D17C	Below # Mn (̆)	MUSICAL SYMBOL COMBINING STACCATO
1D17D	Below # Mn (̇)	MUSICAL SYMBOL COMBINING TENUTO
1D18B	Below # Mn (̈)	MUSICAL SYMBOL COMBINING TRIPLE TONGUE
1037	Below # Mn (̉)	MYANMAR SIGN DOT BELOW
102F	Below # Mn (̊)	MYANMAR VOWEL SIGN U
1030	Below # Mn (̋)	MYANMAR VOWEL SIGN UU
1058	Below # Mn (̌)	MYANMAR VOWEL SIGN VOCALIC L
1059	Below # Mn (̍)	MYANMAR VOWEL SIGN VOCALIC LL
0B3C	Below # Mn (̎)	ORIYA SIGN NUKTA
0B4D	Below # Mn (̏)	ORIYA SIGN VIRAMA
A825	Below # Mn (̐)	SYLOTI NAGRI VOWEL SIGN U
0739	Below # Mn (̑)	SYRIAC DOTTED ZLAMA ANGULAR
0738	Below # Mn (̒)	SYRIAC DOTTED ZLAMA HORIZONTAL
073E	Below # Mn (̓)	SYRIAC ESASA BELOW
073B	Below # Mn (̔)	SYRIAC HBASA BELOW
073C	Below # Mn (̕)	SYRIAC HBASA-ESASA DOTTED
0748	Below # Mn (̖)	SYRIAC OBLIQUE LINE BELOW

0731	Below # Mn ()	SYRIAC PTHAHA BELOW
0737	Below # Mn ()	SYRIAC RBASA BELOW
0742	Below # Mn ()	SYRIAC RUKKAKHA
0746	Below # Mn ()	SYRIAC THREE DOTS BELOW
0744	Below # Mn ()	SYRIAC TWO VERTICAL DOTS BELOW
0734	Below # Mn ()	SYRIAC ZQAPHA BELOW
1714	Below # Mn (?)	TAGALOG SIGN VIRAMA
1773	Below # Mn (?)	TAGBANWA VOWEL SIGN U
0C56	Below # Mn ()	TELUGU AI LENGTH MARK
07A9	Below # Mn ()	THAANA EEBEEFILI
07A8	Below # Mn ()	THAANA IBIFILI
0E38	Below # Mn ()	THAI CHARACTER SARA U
0E39	Below # Mn ()	THAI CHARACTER SARA UU
0F18	Below # Mn ()	TIBETAN ASTROLOGICAL SIGN -KHYUD PA
0F19	Below # Mn ()	TIBETAN ASTROLOGICAL SIGN SDONG TSHUGS
0F84	Below # Mn ()	TIBETAN MARK HALANTA
0F35	Below # Mn ()	TIBETAN MARK NGAS BZUNG NYI ZLA
0F37	Below # Mn ()	TIBETAN MARK NGAS BZUNG SGOR RTAGS
0FB0	Below # Mn ()	TIBETAN SUBJOINED LETTER -A
0FB8	Below # Mn ()	TIBETAN SUBJOINED LETTER A
0FA6	Below # Mn ()	TIBETAN SUBJOINED LETTER BA
0FA7	Below # Mn ()	TIBETAN SUBJOINED LETTER BHA
0F95	Below # Mn ()	TIBETAN SUBJOINED LETTER CA
0F96	Below # Mn ()	TIBETAN SUBJOINED LETTER CHA
0FA1	Below # Mn ()	TIBETAN SUBJOINED LETTER DA
0F9C	Below # Mn ()	TIBETAN SUBJOINED LETTER DDA
0F9D	Below # Mn ()	TIBETAN SUBJOINED LETTER DDHA
0FA2	Below # Mn ()	TIBETAN SUBJOINED LETTER DHA
0FAB	Below # Mn ()	TIBETAN SUBJOINED LETTER DZA
0FAC	Below # Mn ()	TIBETAN SUBJOINED LETTER DZHA
0FBC	Below # Mn ()	TIBETAN SUBJOINED LETTER FIXED-FORM RA
0FBA	Below # Mn ()	TIBETAN SUBJOINED LETTER FIXED-FORM WA
0FBB	Below # Mn ()	TIBETAN SUBJOINED LETTER FIXED-FORM YA
0F92	Below # Mn ()	TIBETAN SUBJOINED LETTER GA
0F93	Below # Mn ()	TIBETAN SUBJOINED LETTER GHA
0FB7	Below # Mn ()	TIBETAN SUBJOINED LETTER HA
0F97	Below # Mn ()	TIBETAN SUBJOINED LETTER JA
0F90	Below # Mn ()	TIBETAN SUBJOINED LETTER KA
0F91	Below # Mn ()	TIBETAN SUBJOINED LETTER KHA
0FB9	Below # Mn ()	TIBETAN SUBJOINED LETTER KSSA
0FB3	Below # Mn ()	TIBETAN SUBJOINED LETTER LA
0FA8	Below # Mn ()	TIBETAN SUBJOINED LETTER MA
0FA3	Below # Mn ()	TIBETAN SUBJOINED LETTER NA
0F94	Below # Mn ()	TIBETAN SUBJOINED LETTER NGA
0F9E	Below # Mn ()	TIBETAN SUBJOINED LETTER NNA
0F99	Below # Mn ()	TIBETAN SUBJOINED LETTER NYA
0FA4	Below # Mn ()	TIBETAN SUBJOINED LETTER PA
0FA5	Below # Mn ()	TIBETAN SUBJOINED LETTER PHA
0FB2	Below # Mn ()	TIBETAN SUBJOINED LETTER RA
0FB6	Below # Mn ()	TIBETAN SUBJOINED LETTER SA
0FB4	Below # Mn ()	TIBETAN SUBJOINED LETTER SHA

0FB5 Below # Mn (ས) TIBETAN SUBJOINED LETTER SSA
 0F9F Below # Mn (ཏ) TIBETAN SUBJOINED LETTER TA
 0FA0 Below # Mn (ཐ) TIBETAN SUBJOINED LETTER THA
 0FA9 Below # Mn (ད) TIBETAN SUBJOINED LETTER TSA
 0FAA Below # Mn (དྷ) TIBETAN SUBJOINED LETTER TSHA
 0F9A Below # Mn (ན) TIBETAN SUBJOINED LETTER TTA
 0F9B Below # Mn (པ) TIBETAN SUBJOINED LETTER TTHA
 0FAD Below # Mn (ཕ) TIBETAN SUBJOINED LETTER WA
 0FB1 Below # Mn (བ) TIBETAN SUBJOINED LETTER YA
 0FAF Below # Mn (མ) TIBETAN SUBJOINED LETTER ZA
 0FAE Below # Mn (ཙ) TIBETAN SUBJOINED LETTER ZHA
 0FC6 Below # Mn (ཚ) TIBETAN SYMBOL PADMA GDAN
 0F73 Below # Mn (ཛ) TIBETAN VOWEL SIGN II
 0F81 Below # Mn (ཛྷ) TIBETAN VOWEL SIGN REVERSED II
 0F74 Below # Mn (ཝ) TIBETAN VOWEL SIGN U
 0F75 Below # Mn (ཞ) TIBETAN VOWEL SIGN UU
 0F78 Below # Mn (ཟ) TIBETAN VOWEL SIGN VOCALIC L
 0F79 Below # Mn (འ) TIBETAN VOWEL SIGN VOCALIC LL
 0F76 Below # Mn (ཡ) TIBETAN VOWEL SIGN VOCALIC R
 0F77 Below # Mn (ར) TIBETAN VOWEL SIGN VOCALIC RR

Total code points: 195

Below_Attached

09C1 Below_Attached # Mn (࠘) BENGALI VOWEL SIGN U
 09C2 Below_Attached # Mn (࠙) BENGALI VOWEL SIGN UU
 09E2 Below_Attached # Mn (ࠚ) BENGALI VOWEL SIGN VOCALIC L
 09E3 Below_Attached # Mn (ࠛ) BENGALI VOWEL SIGN VOCALIC LL
 09C3 Below_Attached # Mn (ࠜ) BENGALI VOWEL SIGN VOCALIC R
 09C4 Below_Attached # Mn (ࠝ) BENGALI VOWEL SIGN VOCALIC RR
 0327 Below_Attached # Mn (ࠌ) COMBINING CEDILLA
 0345 Below_Attached # Mn (ࠍ) COMBINING GREEK YPOGEGRAMMENI
 0328 Below_Attached # Mn (ࠎ) COMBINING OGONEK
 0321 Below_Attached # Mn (ࠏ) COMBINING PALATALIZED HOOK BELOW
 0322 Below_Attached # Mn (ࠐ) COMBINING RETROFLEX HOOK BELOW
 0941 Below_Attached # Mn (ࠡ) DEVANAGARI VOWEL SIGN U
 0942 Below_Attached # Mn (ࠢ) DEVANAGARI VOWEL SIGN UU
 0962 Below_Attached # Mn (ࠤ) DEVANAGARI VOWEL SIGN VOCALIC L
 0963 Below_Attached # Mn (ࠥ) DEVANAGARI VOWEL SIGN VOCALIC LL
 0943 Below_Attached # Mn (ࠦ) DEVANAGARI VOWEL SIGN VOCALIC R
 0944 Below_Attached # Mn (ࠧ) DEVANAGARI VOWEL SIGN VOCALIC RR
 0AC1 Below_Attached # Mn (ࠨ) GUJARATI VOWEL SIGN U
 0AC2 Below_Attached # Mn (ࠩ) GUJARATI VOWEL SIGN UU
 0AE2 Below_Attached # Mn (?) GUJARATI VOWEL SIGN VOCALIC L
 0AE3 Below_Attached # Mn (?) GUJARATI VOWEL SIGN VOCALIC LL
 0AC3 Below_Attached # Mn (ࠬ) GUJARATI VOWEL SIGN VOCALIC R
 0AC4 Below_Attached # Mn (࠭) GUJARATI VOWEL SIGN VOCALIC RR
 10A03 Below_Attached # Mn (࠰) KHAROSHTHI VOWEL SIGN VOCALIC R
 0B41 Below_Attached # Mn (ࠠ) ORIYA VOWEL SIGN U
 0B42 Below_Attached # Mn (ࠡ) ORIYA VOWEL SIGN UU
 0B43 Below_Attached # Mn (ࠣ) ORIYA VOWEL SIGN VOCALIC R
 0DD6 Below_Attached # Mn (ࠤ) SINHALA VOWEL SIGN DIGA PAA-PILLA

ODD4 Below_Attached # Mn (◡) SINHALA VOWEL SIGN KETTI PAA-PILLA

Total code points: 29

Below_Left

302A Below_Left # Mn (◌) IDEOGRAPHIC LEVEL TONE MARK

10A02 Below_Left # Mn (◌) KHAROSHTHI VOWEL SIGN U

0E3A Below_Left # Mn (◌) THAI CHARACTER PHINTHU

Total code points: 3

Below_Right

1734 Below_Right # Mn (?) HANUNOO SIGN PAMUDPOD

1733 Below_Right # Mn (?) HANUNOO VOWEL SIGN U

05AD Below_Right # Mn (◌) HEBREW ACCENT DEHI

059A Below_Right # Mn (◌) HEBREW ACCENT YETIV

302D Below_Right # Mn (◌) IDEOGRAPHIC ENTERING TONE MARK

1939 Below_Right # Mn (◌) LIMBU SIGN MUKPHRENG

1713 Below_Right # Mn (?) TAGALOG VOWEL SIGN U

Total code points: 7

Below_Right_Attached

10A0E Below_Right_Attached # Mn (◌) KHAROSHTHI SIGN ANUSVARA

10A0C Below_Right_Attached # Mn (◌) KHAROSHTHI VOWEL LENGTH MARK

Total code points: 2

Double_Above

035D Double_Above # Mn (◌) COMBINING DOUBLE BREVE

0361 Double_Above # Mn (◌) COMBINING DOUBLE INVERTED BREVE

035E Double_Above # Mn (◌) COMBINING DOUBLE MACRON

0360 Double_Above # Mn (◌) COMBINING DOUBLE TILDE

Total code points: 4

Double_Below

035C Double_Below # Mn (?) COMBINING DOUBLE BREVE BELOW

035F Double_Below # Mn (◌) COMBINING DOUBLE MACRON BELOW

0362 Double_Below # Mn (◌) COMBINING DOUBLE RIGHTWARDS ARROW BELOW

Total code points: 3

Enclosing

06DE Enclosing # Me (◌) ARABIC START OF RUB EL HIZB

0488 Enclosing # Me (◌) COMBINING CYRILLIC HUNDRED THOUSANDS SIGN

0489 Enclosing # Me (◌) COMBINING CYRILLIC MILLIONS SIGN

20DD Enclosing # Me (◌) COMBINING ENCLOSING CIRCLE

20E0 Enclosing # Me (◌) COMBINING ENCLOSING CIRCLE BACKSLASH

20DF Enclosing # Me (◌) COMBINING ENCLOSING DIAMOND

20E3 Enclosing # Me (◌) COMBINING ENCLOSING KEYCAP

20E2 Enclosing # Me (◌) COMBINING ENCLOSING SCREEN

20DE Enclosing # Me (◻) COMBINING ENCLOSING SQUARE
 20E4 Enclosing # Me (△) COMBINING ENCLOSING UPWARD POINTING TRIANGLE
 0C48 Enclosing # Mn (◌) TELUGU VOWEL SIGN AI

Total code points: 11

Invisible

10A3F Invisible # Mn (◌) KHAROSHTHI VIRAMA

Total code points: 1

Left

302F Left # Mn:() HANGUL DOUBLE DOT TONE MARK

302E Left # Mn:() HANGUL SINGLE DOT TONE MARK

Total code points: 2

Overlay

20DA Overlay # Mn (◌) COMBINING ANTICLOCKWISE RING OVERLAY
 20D9 Overlay # Mn (◌) COMBINING CLOCKWISE RING OVERLAY
 20E6 Overlay # Mn (||) COMBINING DOUBLE VERTICAL STROKE OVERLAY
 20EA Overlay # Mn (←) COMBINING LEFTWARDS ARROW OVERLAY
 20EB Overlay # Mn (?) COMBINING LONG DOUBLE SOLIDUS OVERLAY
 0338 Overlay # Mn (/) COMBINING LONG SOLIDUS OVERLAY
 0336 Overlay # Mn (-) COMBINING LONG STROKE OVERLAY
 20D2 Overlay # Mn (|) COMBINING LONG VERTICAL LINE OVERLAY
 20E5 Overlay # Mn (\) COMBINING REVERSE SOLIDUS OVERLAY
 20D8 Overlay # Mn (◌) COMBINING RING OVERLAY
 0337 Overlay # Mn (◌) COMBINING SHORT SOLIDUS OVERLAY
 0335 Overlay # Mn (-) COMBINING SHORT STROKE OVERLAY
 20D3 Overlay # Mn (|) COMBINING SHORT VERTICAL LINE OVERLAY
 0334 Overlay # Mn (~) COMBINING TILDE OVERLAY
 05BC Overlay # Mn (·) HEBREW POINT DAGESH OR MAPIQ
 10A39 Overlay # Mn (◌) KHAROSHTHI SIGN CAUDA
 10A01 Overlay # Mn (◌) KHAROSHTHI VOWEL SIGN I
 10A06 Overlay # Mn (◌) KHAROSHTHI VOWEL SIGN O
 1D167 Overlay # Mn (?) MUSICAL SYMBOL COMBINING TREMOLO-1
 1D168 Overlay # Mn (?) MUSICAL SYMBOL COMBINING TREMOLO-2
 1D169 Overlay # Mn (?) MUSICAL SYMBOL COMBINING TREMOLO-3